

Microsoft[®] Virtual Labs

**Preparing for Internet Explorer 8
– Application Compatibility**

Microsoft[®]

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Preparing for Internet Explorer 8 – Application Compatibility

Objectives

After completing this lab, you will be better able to:

- Add custom HTTP response headers to websites and a SharePoint 2007 installation for Windows Internet Explorer 8 compatibility
- Use a meta tag with websites and a SharePoint 2007 installation for Windows Internet Explorer 8 compatibility
- Use conditional comments with websites and with a SharePoint 2007 installation to target markup to a specific Windows Internet Explorer version

Scenario

You maintain the Northwind Traders Web site that displays correctly in Windows Internet Explorer 7 and you would like to update it so that it will display properly in Windows Internet Explorer 8, but with the least amount of modification until you can work on making it more compatible with standards.

There are two methods available. You can add a compatibility mode **META** tag to each page that will force Windows Internet Explorer 8 to render the page as Windows Internet Explorer 7. Or if you control your Web server, you can configure your server to send a custom HTTP response header equivalent of the **META** tag with each Web page.

Ultimately, you will want to employ conditional comments to target your styles and markup for Windows Internet Explorer 8 features and standards, while supporting previous versions as long as necessary.

Estimated Time to Complete This Lab

60 Minutes

Computers used in this Lab




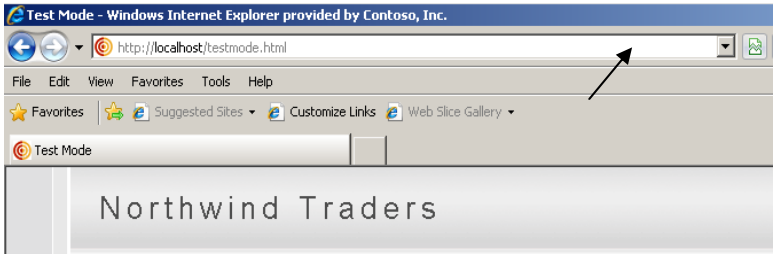
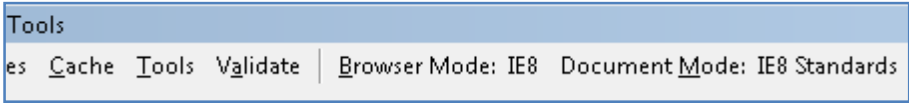
The password for the Administrator account on all computers in this lab is:
P@ssword

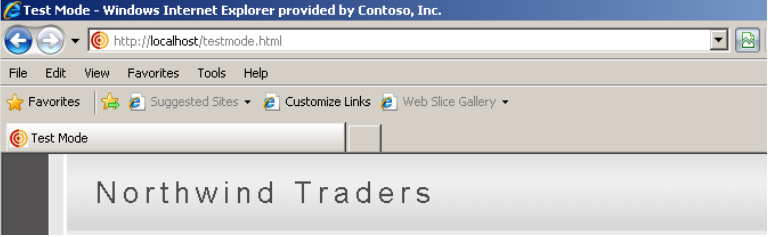
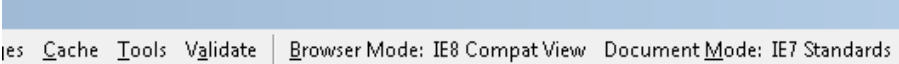

Exercise 1

Test Sites Using Compatibility View

Scenario

In this exercise you will use Windows Internet Explorer 8 to view web pages in the Internet Explorer 8 Standards and Internet Explorer 7 Standards document modes and see the changes instantly.

Tasks	Detailed Steps
<p>Complete the following tasks on:</p> <p> VistaSP</p> <p>1. Configure Windows Internet Explorer 8's Compatibility View</p>	<p><i>Note: In this task you will set Windows Internet Explorer 8's Compatibility View settings. By default, Windows Internet Explorer 8 displays all intranet sites in compatibility view—this property should be cleared for this lab.</i></p> <ol style="list-style-type: none"> Double-click the Internet Explorer desktop icon. Click the Tools menu then Compatibility View Settings. By default, Windows Internet Explorer 8 displays intranet sites in Compatibility View. Uncheck Display intranet sites in Compatibility View. Click Close.
<p>2. Start Developer Tools & Set Caching Option</p>	<p><i>Note: In this task you will set Windows Internet Explorer 8's Developer Tools caching option.</i></p> <ol style="list-style-type: none"> In the Windows Internet Explorer 8 window, press F12 to start Developer Tools. The Developer Tools opens in a new window. On the Developer Tools window, click the Cache menu then Always Refresh from Server. <p><i>Note: This will ensure pages aren't used from the browser cache during this lab.</i></p>
<p>3. Changing Windows Internet Explorer 8's Compatibility View Mode through Toolbar</p>	<p><i>Note: In this task you will toggle Windows Internet Explorer 8's Compatibility View.</i></p> <ol style="list-style-type: none"> In the Windows Internet Explorer toolbar, enter http://localhost/testmode.html and press ENTER. <p><i>Note: You are seeing the testmode page in Internet Explorer 8 Standards mode.</i></p>  <p><i>Note: Notice that the Developer Tools window shows the Document Mode as IE8 Standards mode.</i></p>  <ol style="list-style-type: none"> Click the Compatibility View button next to the address bar to show the Internet Explorer 7 Standards mode. Notice that the border of the main content area becomes darker. This is due to conditional markup in the page based on the recognized browser version.

Tasks	Detailed Steps
	 <p><i>Note: Notice that the Developer Tools window now shows the Document Mode as IE7 Standards mode.</i></p>  <p>c. Click the Compatibility View button again to return to the Internet Explorer 8 Standards mode. The border of the main content area changes again due to the conditional markup.</p> 

Exercise 2


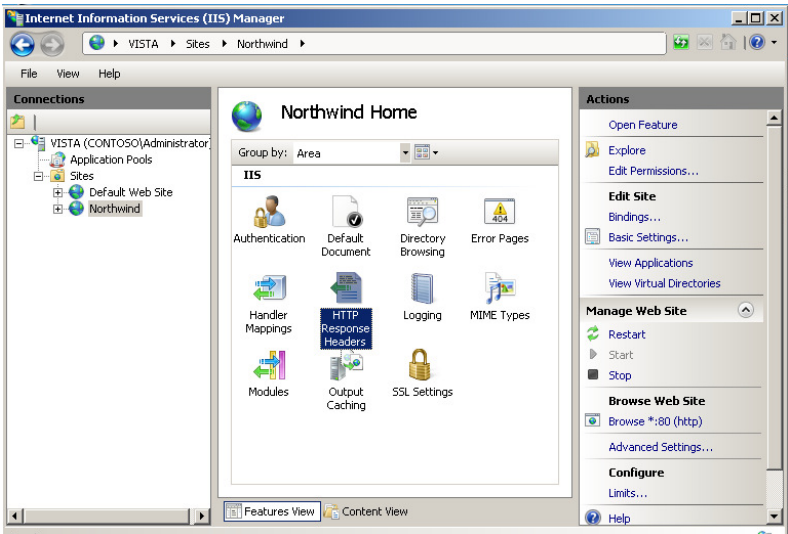
Make Site-Wide Changes via IIS Headers

Scenario

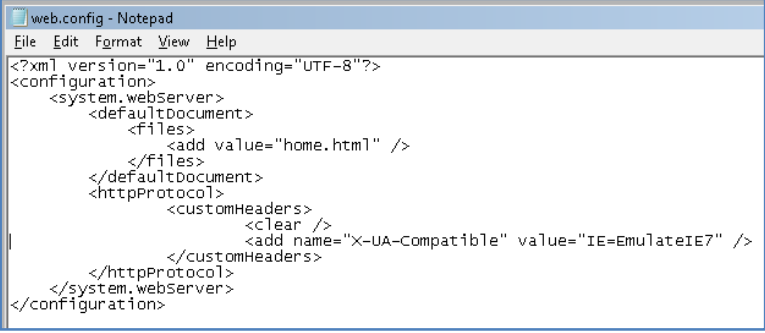
In this exercise you will set IIS 7.0 to send a HTTP response header to trigger the Windows Internet Explorer 8 compatibility mode switch.

If the server is accessible, changing the server response header is usually the fastest method for implementing the compatibility switch instead of changing each page of a site. For Windows Vista, this requires Service Pack 1 to configure IIS 7.0 via the GUI interface. To add the response header to each page you need to configure the server to send the following header:

X-UA-Compatible: IE=EmulateIE7

Tasks	Detailed Steps
<p>Complete the following tasks on:</p> <p> VistaSP</p> <p>1. Configure IIS 7.0 to Send a Custom HTTP Response Header</p>	<p><i>Note: In this task you will configure IIS 7.0 to include a custom HTTP response header:</i></p> <ol style="list-style-type: none"> Click Start, enter inetmgr in StartSearch and press ENTER. In the connections pane, expand the node for the server, and then expand Sites. Click the Web site that you want to add the custom HTTP response header (Northwind). In the Web site pane, double-click HTTP Response Headers in the IIS section.  <ol style="list-style-type: none"> Under Actions, click Add. In the Name box, type X-UA-Compatible. In the Value box, type IE=EmulateIE7. Click OK. <p><i>Note: Pages now served from this site will include the response header.</i></p>
<p>2. Test the Custom HTTP Response Header</p>	<p><i>Note: In this task you will view the testmode.html page to see the effects of the custom header.</i></p> <ol style="list-style-type: none"> In the Windows Internet Explorer window, if testmode.html is not shown, enter http://localhost/testmode.html in the address bar and press ENTER. Press the Refresh button next to the address bar or press F5.

Tasks	Detailed Steps
	<p><i>Note: Notice that the dark borders return due to the conditional markup in the page responding to the compatibility switch sent from the server. Also notice that the Compatibility View button is not visible when a server or page activates this switch. Finally, the Developer Tools shows Document Mode of IE7 Standards.</i></p>
<p>3. Configure IIS 7.0 to Remove a Custom Response Header</p>	<p><i>Note: In this task you will remove the custom HTTP response header using IIS 7.0.</i></p> <ol style="list-style-type: none"> If IIS Manager is not already running, click Start, enter inetmgr in StartSearch and press ENTER. In the connections pane, expand the node for the server, and then expand Sites. Click the Web site that you want to add the custom HTTP response header (Northwind). In the Web site pane, double-click HTTP Response Headers in the IIS section. Click the X-UA-Compatible entry. Under Actions, click Remove. Click Yes. Close IIS Manager. Refresh the browser window to display the page again without the header. <p><i>Note: You will again see the Compatibility View button and Developer Tools will show IE8 Standards in Document Mode.</i></p>
<p>4. Configure IIS 7.0 to Send a Custom HTTP Response Header via Web.config</p>	<p><i>Note: In this task you will add a custom response header for IIS 7.0 using the Web.config text file. The Northwind folder already contains a web.config file.</i></p> <ol style="list-style-type: none"> Start Notepad using the desktop shortcut. Press Ctrl-O, then enter in File name: c:\inetpub\wwwroot\Northwind\web.config and press ENTER. Add a <code>httpProtocol</code> element inside the <code>system.webServer</code> element, then add a <code>customHeaders</code> element inside the <code>httpProtocol</code> element. Inside the <code>customHeaders</code> element, add the following: <pre><clear /> <add name="X-UA-Compatible" value="IE=EmulateIE7" /></pre> <p>The completed markup in the web.config file should look as follows (bold are added elements):</p> <pre><?xml version="1.0" encoding="utf-8"?> <configuration> <system.webServer> <defaultDocument> <files> <add value="home.html" /> </files> </defaultDocument> <httpProtocol> <customHeaders> <clear /> <add name="X-UA-Compatible" value="IE=EmulateIE7" /> </customHeaders> </httpProtocol> </system.webServer></pre>

Tasks	Detailed Steps
	<p></configuration></p> <p>e. Press Ctrl-S to save.</p> <p>f. Refresh the browser window to display the page again with the custom header.</p> <p>Note: You will see the Compatibility View button is not visible and Developer Tools will show IE7 Standards in Document Mode.</p>  <pre> web.config - Notepad File Edit Format View Help <?xml version="1.0" encoding="UTF-8"?> <configuration> <system.webServer> <defaultDocument> <files> <add value="home.html" /> </files> </defaultDocument> <httpProtocol> <customHeaders> <clear /> <add name="X-UA-Compatible" value="IE=EmulateIE7" /> </customHeaders> </httpProtocol> </system.webServer> </configuration> </pre>
<p>5. Remove Custom HTTP Response Header from Web.config</p>	<p>Note: In this task you will remove the custom response header from web.config.</p> <p>a. From within Notepad, remove the markup added above. Ensure you do not change any elements outside the httpProtocol element.</p> <p>b. Press Ctrl-S to save. Close Notepad.</p> <p>c. Refresh the browser window to display the page again with the custom header.</p> <p>Note: You will see the Compatibility View button is again visible and Developer Tools will show IE8 Standards in Document Mode.</p>


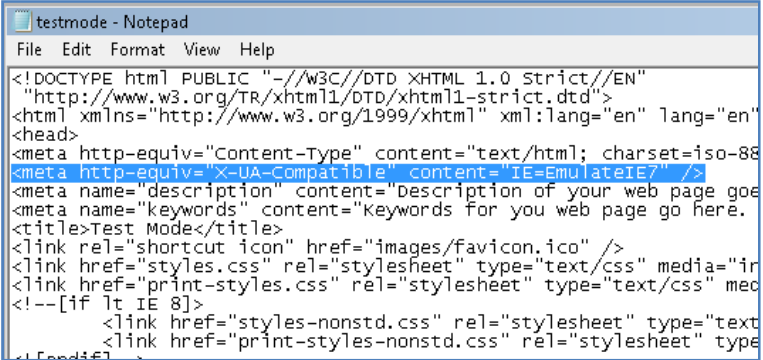
Exercise 3

Make Page-Specific Header Changes

Scenario

In this exercise you will modify each page of your site to add a compatibility switch.

If using ASP.NET, this technique could easily be applied to a master page so changes are automatically propagated when pages are requested.

Tasks	Detailed Steps
<p>Complete the following task on:</p> <p> VistaSP</p> <p>1. Make Page Specific Header Changes</p>	<p><i>Note: In this task you add a compatibility switch to the home.html site page so that Windows Internet Explorer 8 will render in the appropriate mode.</i></p> <ol style="list-style-type: none"> Start Notepad using the desktop shortcut. Press Ctrl-O, then enter in File name: c:\inetpub\wwwroot\Northwind\testmode.html and press ENTER. The META tag should be located before any tags other than meta or title. Enter the following line after the title element: <code><meta http-equiv="X-UA-Compatible" content="IE=EmulateIE7"/></code> Press Ctrl-S to save the file. Close Notepad.  <p><i>Note: The testmode.html page will now have the compatibility switch so Windows Internet Explorer 8 will render in the appropriate mode.</i></p> <p><i>Refresh the browser window to display the page with the response header. You will notice again the Compatibility View button is not visible and Developer Tools will show IE7 Standards in Document Mode.</i></p>


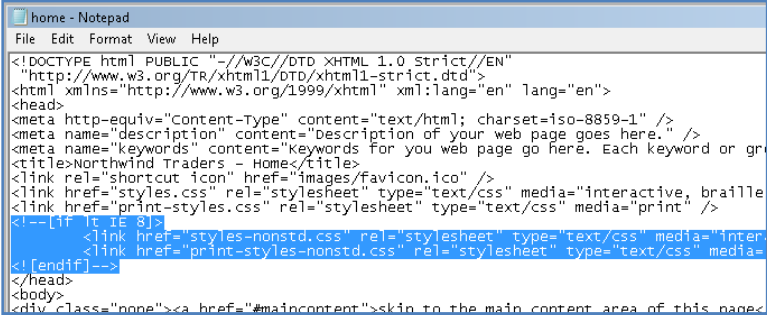
Exercise 4

Make Permanent Changes Using Conditional Comments


Scenario

In this exercise you will modify each page of your site to target browser versions using conditional comments. This technique could also be used successfully with master pages if using ASP.NET.

This section assumes you have updated your style sheets to standards and named them **style.css** and **print-style.css**. Non-standard styles are kept in **style-nonstd.css** and **print-style-nonstd.css** for older version support. You will use conditional comments to target the appropriate browser in your pages. This example loads your new standards-based style sheets, and then loads specific changes for Windows Internet Explorer versions 5, 6 or 7 since those versions can use conditional comments. Downlevel-revealed comments could also be used to target versions that do not support conditional comments, if needed.

Tasks	Detailed Steps
<p>Complete the following task on:</p> <p> VistaSP</p> <p>1. Add Standards-Based Style Sheet Links and Conditional Comments</p>	<p><i>Note: In this task you add conditional comments and links for the older style sheets.</i></p> <ol style="list-style-type: none"> Start Notepad using the desktop shortcut. Press Ctrl-O, then enter in File name: c:\inetpub\wwwroot\Northwind\home.html and press ENTER. After the original style sheets, add: <pre> <!--[if lt IE 8]> <link href="styles-nonstd.css" rel="stylesheet" type="text/css" media="interactive, braille, emboss, handheld, projection, screen, tty, tv" /> <link href="print-style-nonstd.css" rel="stylesheet" type="text/css" media="print" /> <![endif--> </pre> <p>The final markup should look like:</p> <pre> <link href="styles.css" rel="stylesheet" type="text/css" media="interactive, braille, emboss, handheld, projection, screen, tty, tv" /> <link href="print-styles.css" rel="stylesheet" type="text/css" media="print" /> <!--[if lt IE 8]> <link href="styles-nonstd.css" rel="stylesheet" type="text/css" media="interactive, braille, emboss, handheld, projection, screen, tty, tv" /> <link href="print-styles-nonstd.css" rel="stylesheet" type="text/css" media="print" /> <![endif--> </pre> Press Ctrl-S to save the file. 

Tasks	Detailed Steps
	<p>e. Repeat steps c - d for inner.html.</p> <p>f. Press the home button on the Windows Internet Explorer 8 toolbar to display home.html.</p> <p>Note: The <i>home.html</i> and <i>inner.html</i> pages will now use the conditional logic to target styles based on browser.</p> <p>From <i>home.html</i>, clicking the first Mainnav menu item navigates to <i>inner.html</i>. View both pages in IE8 Standards mode and IE7 Standards mode using Compatibility View.</p>  <p>Note: <i>home.html</i> in IE7 Standards mode</p>  <p>Note: <i>home.html</i> in IE8 Standards mode</p>  <p>Note: <i>inner.html</i> in IE8 Standards mode</p>

Tasks	Detailed Steps
	 <p><H1> Header</p> <p>Quisque tris Praesent ar Vivamus co Morbi sit an</p> <p><i>Note: inner.html in IE7 Standards mode</i></p>

Exercise 5

Make Site-Wide Changes via IIS Headers

Scenario

In this exercise you will set IIS 6.0 to send a HTTP response header that triggers the Windows Internet Explorer 8 compatibility mode switch.


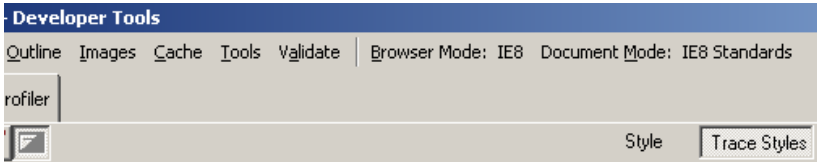

If the server is accessible, changing the server response header is usually the fastest method for implementing the compatibility switch instead of changing each master page of a site. This exercise walks through adding the compatibility switch by GUI methods and modifying the MetaBase.xml configuration file for IIS 6.0. Removal of the compatibility header is also shown for each method, as well as how to view headers already in-use via the GUI method.

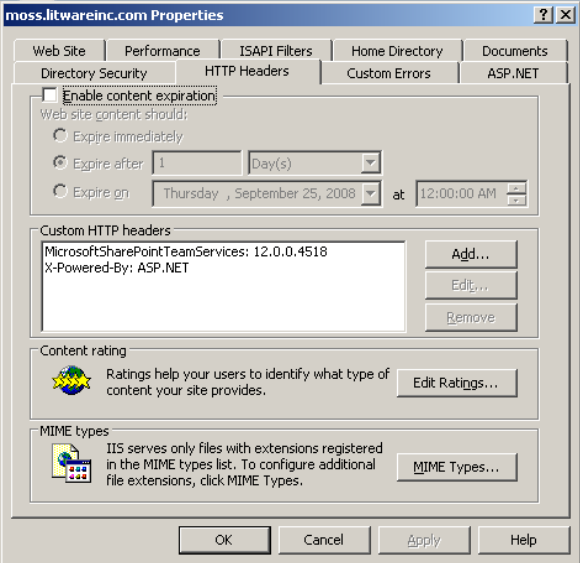
To add the compatibility switch to each page you need to configure the server to send the following header:

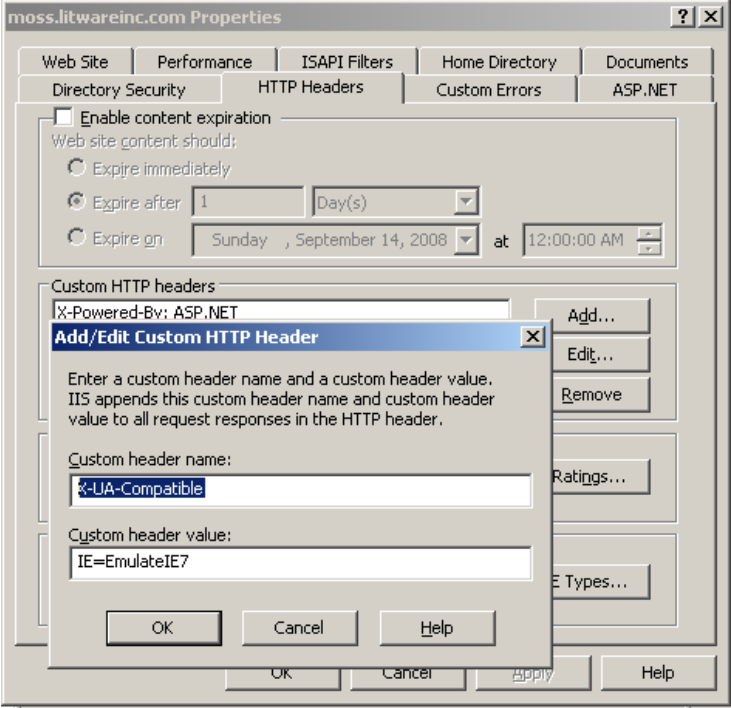
X-UA-Compatible: IE=EmulateIE7

This header can be added in a number of ways: through the IIS Manager, for single or multiple sites, and through XML files for IIS 6.0. Editing the XML files directly can be faster than through user interfaces, such as IIS Manager, when hundreds or thousands of sites are running on the same computer.

If you specify a default document compatibility mode using your Web server, you can override that setting by specifying a different document compatibility mode in a specific Web page. The mode specified within the Web page takes precedence over the mode specified by the server.

Tasks	Detailed Steps
<p>Complete the following tasks on:</p> <p> VistaSP</p> <p>1. IIS 6.0</p>	<p><i>Note: The IIS 6.0 metabase structure can be altered at multiple levels to apply custom headers. Custom headers are added via the HttpCustomHeaders attribute. Any level where specified, the attribute is inherited by all child levels, including the IISWebServer level, unless another is specified at a child level.</i></p>
<p>2. View Microsoft Office SharePoint Server 2007 in Windows Internet Explorer 8</p>	<p><i>Note: In this task you will view a browser page using Compatibility View:</i></p> <p>a. Double-click HOL Internet Explorer Browser icon on the desktop. When prompted, enter administrator for user name and pass@word1 for the password, then click OK.</p> <p>b. Press F12 to launch Developer Tools.</p> <p>c. Notice the document mode displayed on the Developer Tools menu shows IE8 Standards. This is the current document mode being displayed by Windows Internet Explorer 8.</p>  <p>d. On the browser window, click the Compatibility View button.</p>  <p><i>Note: Notice the document mode displayed on the Developer Tools menu shows IE7 Standards. This is the current mode being displayed by Windows Internet Explorer 8.</i></p>

Tasks	Detailed Steps
	<p>e. On the browser window, click the Compatibility View button to return to IE8 Standards.</p>
<p>3. View Custom HTTP Headers in IIS 6.0</p>	<p><i>Note: In this task you will display the HTTP headers in-use by IIS 6.0.</i></p> <p>a. Click Start, click Run, type inetmgr, and then click OK.</p> <p>b. Expand the MOSS server, and then expand Web Sites.</p> <p>c. To see properties for the parent level, right-click Web Sites. To see properties for an individual site (Moss Litware Inc.), right-click the moss.litwareinc.com Web site.</p> <p>d. Click Properties, and then click the HTTP Headers tab.</p> <p>e. Under Custom HTTP headers displays any custom response headers for that object.</p> <p>f. Click OK</p> 
<p>4. Configure IIS 6.0 via the GUI Interface to Add Custom Headers</p>	<p><i>Note: In this task, you will add the compatibility switch via response header to the moss.litware.com site.</i></p> <p>a. If IIS Manager is not already running, click Start, click Run, type inetmgr.exe, and then click OK.</p> <p>b. Expand the MOSS server and then expand Web Sites.</p> <p>c. Right-click the moss.litwareinc.com Web site and then click Properties.</p> <p>d. Click the HTTP Headers tab.</p> <p>e. Under Custom HTTP headers, click Add.</p> <p>f. In the Custom header name box, type X-UA-Compatible.</p> <p>g. In the Custom header value box, type IE=EmulateIE7.</p> <p>h. Click OK two times.</p> <p>i. Press F5 on the Windows Internet Explorer 8 window to refresh the page. Notice the Compatibility View button is not visible and Developer Tools shows IE7 Standards document mode.</p>

Tasks	Detailed Steps
	 <p><i>Note: The site pages will now have the compatibility switch so Windows Internet Explorer 8 will render in the appropriate mode.</i></p>
<p>5. Remove a Custom HTTP Response Header</p>	<p><i>Note: In this task, you will remove the compatibility switch via header from the moss.litware.com site.</i></p> <ol style="list-style-type: none"> If IIS Manager is not already running, click Start, click Run, type inetmgr.exe, and then click OK. Expand the MOSS server and then expand Web Sites. Right-click the moss.litwareinc.com Web site and then click Properties. Click the HTTP Headers tab. Under Custom HTTP headers, click the custom header to remove (“X-UA-Compatible: IE=EmulateIE7”), then click Remove. Click OK. Press F5 on the Windows Internet Explorer 8 window to refresh the page. Notice the Compatibility View button is again visible and Developer Tools shows IE8 Standards document mode.
<p>6. Configure IIS 6.0 through the MetaBase.xml</p>	<p><i>Note: In IIS 6.0, custom headers can be added using the MetaBase.xml file. This file must be enabled for editing while the server is running before any changes can be saved. The metabase structure can be altered at multiple levels to apply custom headers including the highest levels that cover an individual site and multiple sites. Custom headers are added via the HttpCustomHeaders attribute. Any level where specified, the attribute is inherited by all child levels, unless this inheritable attribute is specified at a child level.</i></p>
<p>7. Enable Direct-Editing of MetaBase.xml</p>	<p><i>Note: In this task, you will set IIS 6.0 to allow editing of the MetaBase.xml file while the server is running.</i></p> <p><i>To enable direct editing of the Metabase:</i></p> <ol style="list-style-type: none"> If IIS Manager is not already running, click Start, click Run, type inetmgr.exe,

Tasks	Detailed Steps
	<p>and then click OK.</p> <p>b. Right-click the MOSS server and then click Properties.</p> <p>c. Click the Enable Direct Metabase Edit check box so it is checked. This allows the administrator to edit the key settings for the server while in use.</p> <p>d. Click OK.</p> <p><i>Note: While editing the MetaBase.xml file, Ctrl-F can be used to find instances of HttpCustomHeaders—use caution to verify the Location attribute is in the same relative chain. For example, the moss.litwareinc.com IISWebServer entry is located with a key of “/LM/W3SVC/1417082536”, its parent IISWebService is located at “/LM/W3SVC”, but it has a IISWebVirtualDir root at “/LM/W3SVC/1417082536/Root” with a HttpCustomHeaders entry.</i></p> <p><i>If desired to apply the parent setting to child nodes, the HttpCustomHeaders entry would have to be removed from the child virtual directory entry at “/LM/W3SVC/1417082536/Root”.</i></p>
<p>8. Configure IIS 6.0 via MetaBase.xml to Add Custom Headers</p>	<p><i>Note: In this task, you will add the compatibility header to the moss.litware.com site. To configure IIS 6.0 to include a custom HTTP response header for moss.litware.com, follow these steps AFTER enabling direct edits using the steps above:</i></p> <p>a. Click Start, click Run and enter Notepad.exe. Press Ctrl-O to open a file. Navigate to C:\WINDOWS\system32\inetmgr, and open MetaBase.xml.</p> <p>b. Find the IISWebVirtualDir root for moss.litwareinc.com at “/LM/W3SVC/1417082536/Root”. Press Ctrl-F, enter 1417082536/Root in the Find what textbox. Click Find Next to arrive at the entry.</p> <p>c. Scroll down to the HttpCustomHeaders entry. After the X-Powered-By: ASP.NET entry, press Enter and add X-UA-Compatible: IE=EmulateIE7, making sure the closing quote is still at the end of the entry.</p> <p>d. Press Ctrl-S to save the file. Do not close Notepad.</p> <p>e. Press F5 on the Windows Internet Explorer 8 window to refresh the page.</p> <p><i>Note: Notice the Compatibility View button is not visible and Developer Tools shows IE7 Standards document mode.</i></p>
<p>9. Configure IIS 6.0 via MetaBase.xml to Remove Custom Headers</p>	<p><i>Note: In this task, you will remove the compatibility header from the moss.litware.com site.</i></p> <p>a. If not already open, run Notepad.exe. Press Ctrl-O to open a file. Navigate to C:\WINDOWS\system32\inetmgr, and open MetaBase.xml.</p> <p>b. To find the IISWebVirtualDir root for moss.litwareinc.com, press Ctrl-F, enter 1417082536/Root in the Find what textbox. Click Find Next to arrive at the entry.</p> <p>c. Remove the X-UA-Compatible: IE=EmulateIE7 entry, ensuring the remaining value is enclosed in quotations.</p> <p>d. Press Ctrl-S to save the file. Close Notepad.</p> <p>e. Press F5 on the Windows Internet Explorer 8 window to refresh the page. Notice the Compatibility View button is again visible and Developer Tools shows IE8 Standards document mode.</p>
<p>10. Disable Direct-Editing of MetaBase.xml</p>	<p><i>Note: In this task, you will set IIS 6.0 to forbid editing of the MetaBase.xml file while the server is running.</i></p> <p>a. If IIS Manager is not already running, click Start, click Run, type inetmgr.exe, and then click OK.</p> <p>b. Right-click the MOSS server and then click Properties.</p> <p>c. Click the Enable Direct Metabase Edit check box so it is unchecked. This</p>

Preparing for Internet Explorer 8 – Application Compatibility


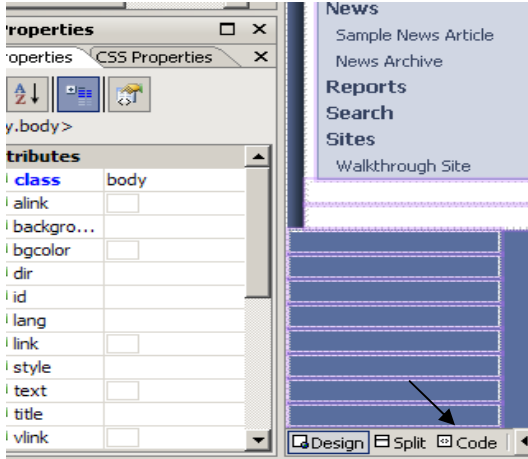
Tasks	Detailed Steps
	prevents edits to the key settings for the server while in use. d. Click OK . Close IIS Manager.

Exercise 6

Make Page-Specific Header Changes Using Master Pages

Scenario

In this exercise you will modify the master page used by the **moss.litwareinc.com** site to add a compatibility switch. The change will send the compatibility switch in the page via a **meta** tag. This would need to be accomplished for any master page used by a site.

Tasks	Detailed Steps
<p>Complete the following task on:</p> <p> VistaSP</p> <p>1. Edit the BlueBand Master Page</p>	<p><i>Note: In this task you will add markup to the BlueBand Master page to trigger the compatibility switch so that Windows Internet Explorer 8 will render in the appropriate mode.</i></p> <ol style="list-style-type: none"> If not open already, double-click the HOL Internet Explorer Browser icon on the desktop. When prompted, enter administrator for user name and pass@word1 for the password, and then click OK. If not already open, press F12 to start Developer Tools. Notice the Document Mode shows IE8 Standards. On the browser window, click Site Actions, then click Site Settings and then click Modify All Site Settings. Under Galleries, click Master pages and page layouts. Under the Master Page Gallery, click BlueBand.master to show the combobox menu, then click Edit in Microsoft Office SharePoint Designer. When prompted, click OK to check out the file. When prompted, enter administrator for user name and pass@word1 for the password, and then click OK. Click the Code button to show the markup for the master page.  <p><i>Note: The META tag should be located before any tags except title or other meta tags.</i></p> <ol style="list-style-type: none"> Enter the following line after the existing meta elements: <code><meta http-equiv="X-UA-Compatible" content="IE=EmulateIE7"></code>

Tasks	Detailed Steps
	<div> <pre> 7 <% Register TagPrefix="PublishingWebControls" namespace="Microsoft.SharePoint." 8 <% Register TagPrefix="PublishingNavigation" Namespace="Microsoft.SharePoint.F 9 <% Register TagPrefix="wssuc" TagName="Welcome" src="~/_controltemplates/Welco 10 <% Register TagPrefix="wssuc" TagName="DesignModeConsole" src="~/_controltempl 11 <% Register TagPrefix="PublishingVariations" TagName="VariationsLabelMenu" src 12 <% Register TagPrefix="PublishingConsole" TagName="Console" src="~/_controltem 13 <% Register TagPrefix="PublishingSiteAction" TagName="SiteActionMenu" src="~/_ 14 <html dir="<%=Resources.wss, multipages_direction_dir_value %>" runat="server" 15 <head runat="server"> 16 <meta name="GENERATOR" content="Microsoft SharePoint"> 17 <meta http-equiv="Content-Type" content="text/html; charset=utf-8"> 18 <meta http-equiv="Expires" content="0"> 19 <meta http-equiv="X-UA-Compatible" content="IE=EmulateIE7"> 20 <SharePoint:RobotsMetaTag runat="server"/> 21 <title id="ongridTitle"> 22 <asp:ContentPlaceHolder id="PlaceholderPageTitle" runat="server"/> 23 </title> 24 <Sharepoint:CssLink runat="server"/> 25 <!--Styles used for positioning, font and spacing definitions--> 26 <SharePoint:CssRegistration name="<% \$SPUrl:~SiteCollection/Style Library/- 27 <SharePoint:CssRegistration name="<% \$SPUrl:~sitecollection/Style Library/- 28 <SharePoint:CssRegistration name="<% \$SPUrl:~SiteCollection/Style Library/2 </pre> </div> <p>i. Press Ctrl-S to save the file. You will be prompted that saving your changes will customize a page from the site definition. Click Yes to complete the save. Once saved, close Microsoft Office SharePoint Designer.</p> <p>j. In the Windows Internet Explorer window, under the Master Page Gallery, click BlueBand.master to show the combobox menu, then click Check-In.</p> <p>k. Under Check-in, click 2.0 Major version (publish); under Comments enter the following: Added Windows Internet Explorer 8 compatibility header.</p> <p>l. Click OK.</p> <p>m. Under the Master Page Gallery, click BlueBand.master to show the combobox menu, then click Approve/reject.</p> <p>n. Under Approval Status, click Approved; under Comment enter the following: Added Windows Internet Explorer 8 compatibility header.</p> <p>o. Click OK.</p> <p><i>Note: Notice the Document Mode shows IE7 Standards.</i></p> <div> </div> <p>p. Close the Developer Tools and Windows Internet Explorer 8.</p> <p><i>The site pages using this master page will now render correctly in Windows Internet Explorer 8.</i></p>

Exercise 7


Make Permanent Changes Using Conditional Comments

Scenario

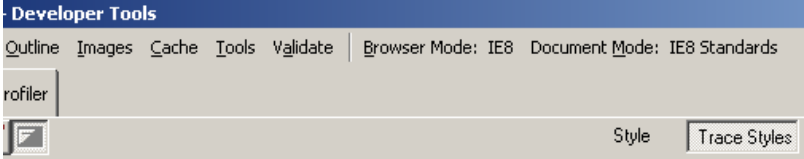
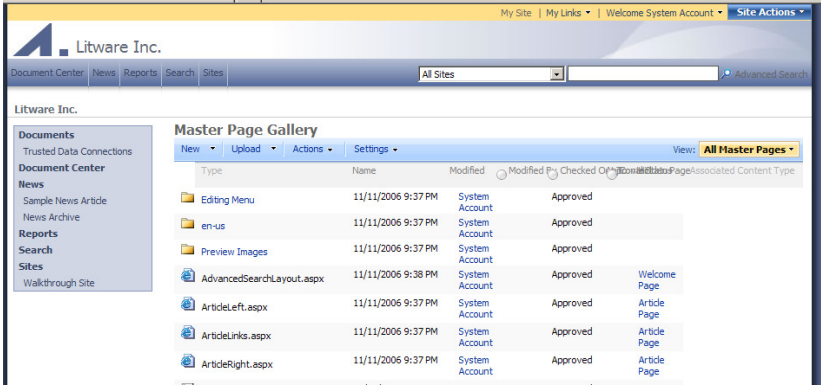

In this exercise you will permanently modify the BlueBand master page to target browser versions using conditional comments.

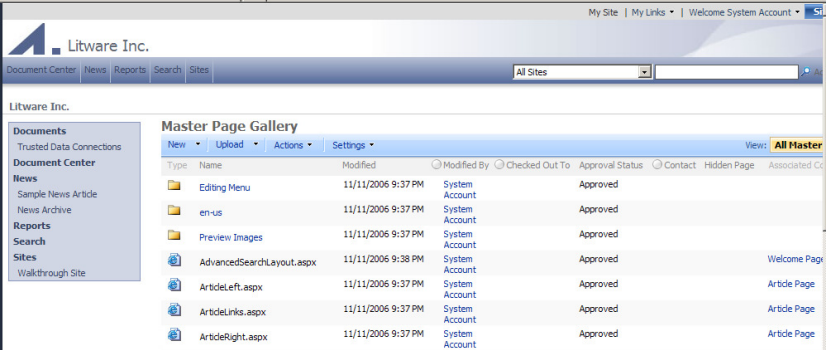
This exercise assumes you have updated your style sheets to standards and named it, for this scenario, **zz1_Blue_IE8.css**, leaving **zz1_Blue.css** for older version support. Conditional comments will be used to target the appropriate browser in your pages. This example loads the original style sheets, and then loads specific changes for Windows Internet Explorer 8 or higher. The changes for this exercise render a changed top border color in Windows Internet Explorer 8 to highlight the overridden styles.

If you added the compatibility switch through mark-up in master pages or through the server response header, it will no longer be necessary once these changes are made.

Tasks	Detailed Steps
<p>Complete the following tasks on:</p> <p> VistaSP</p> <p>1. CSS Files and Use by Microsoft Office SharePoint Server 2007</p>	<p><i>Cascading Style Sheets (CSS) files are included by SharePoint using the CssLink and CssRegistration elements to include most CSS. Any CSS files included this way are rendered to the browser in the resulting page in alphabetical order, with core.css listed afterward. If a site uses the Alternate CSS URL option on the Site Master Page Settings page, that alternate CSS file is then included after core.css. Conditional comments do not function within the CssLink/CssRegistration block, so they must be used afterward, either before or after the PlaceHolderAdditionalPageHead element. Keep in mind that if the conditional comments are used before the PlaceHolderAdditionalPageHead element, any CSS content defined by a content page in that placeholder element may override the CSS inside the conditional comments.</i></p>
<p>2. Edit the BlueBand Master Page</p>	<p><i>Note: In this task you will add conditional comments to include markup based on browser version so that Windows Internet Explorer 8 will render in the appropriate mode.</i></p> <ol style="list-style-type: none"> a. Double-click the HOL Internet Explorer Browser icon on the desktop. When prompted, enter “administrator” for user name and “pass@word1” for the password, and then click OK. b. Click Site Actions, then Site Settings, and finally click Modify All Site Settings. c. Under Galleries, click Master pages and page layouts. Under the Master Page Gallery, click BlueBand.master to show the combobox menu, then click Edit in Microsoft Office SharePoint Designer. d. When prompted, click OK to check out the file. e. When prompted, enter “administrator” for user name and “pass@word1” for the password, and then click OK.

Tasks	Detailed Steps
	<div> </div> <p>f. If needed, click the Code button to show the markup for the master page.</p> <p>g. Remove the META tag line entered in exercise 2.</p> <p>h. Enter the following lines before the Placeholder comment line:</p> <div> <pre><!--[if gte IE 8]> <link href="<% \$SPUrl:~SiteCollection/Style Library/zz1_blue_IE8.css %>" type="text/css" rel="stylesheet" runat="server"> <![endif]--></pre> </div> <p>Note: The <i>runat</i> attribute causes the server to process the line and replace the <i>SPUrl</i> entry with the proper path to the Style Library.</p> <div> </div> <p>i. Save the file. Close Microsoft Office SharePoint Designer.</p> <p>j. Under the Master Page Gallery, click BlueBand.master to show the combobox menu, then click Check-In.</p> <p>k. Under Check-in, click 3.0 Major version (publish); under Comments enter the following:</p> <p>Removed Windows Internet Explorer 8 compatibility header. Added conditional comments targeting Windows Internet Explorer 8 and higher.</p> <p>l. Click OK.</p>

Tasks	Detailed Steps
	<p>m. Under the Master Page Gallery, click BlueBand.master to show the combobox menu, then click Approve/reject.</p> <p>n. Under Approval Status, click Approved; under Comment enter the following: Removed Windows Internet Explorer 8 compatibility header. Added conditional comments targeting Windows Internet Explorer 8 and higher.</p> <p>o. Click OK.</p> <p>p. On the browser window, press F5 to force a page refresh.</p> <p>q. Press F12 to start Developer Tools. Notice the Document Mode shows IE8 Standards.</p>  <p>r. Close the Developer Tools.</p> <p>The site pages using this master page will now render a changed top border color in Windows Internet Explorer 8 because of the conditional comments including the standards-based CSS style sheet.</p>  

Tasks	Detailed Steps
	<p>s. Click the Compatibility View button next to the address bar to force compatibility view. The result, without the conditional comment link, shows below.</p>  <p><i>Note: You have gone through the steps to ready the Northwind site for the more standards-compliant Windows Internet Explorer 8. You saw how to use a fixed header directly from the server, or change each page of the site using the META tag to target an earlier version of Windows Internet Explorer as a temporary measure. You have also readied a SharePoint installation for the more standards-compliant Windows Internet Explorer 8. As a temporary measure, you saw how to use a response header from the server, or change each page of the site using the META tag in a master page. When you have made any necessary changes to the site, you can then remove the temporary measures and use conditional comments to target versions Windows Internet Explorer as needed.</i></p>